

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

James Burnett Vital Solutions, LLC P.O. Box 9932 W. Palm Beach, FL 33419

AUG 2 2 2014

Subject:

Vital Oxide

EPA Reg. No.

82972-1

Application Date:

May 28, 2014

Receipts Date:

June 6, 2014 and August 21, 2014

Dear Mr. Burnett:

This acknowledges receipt of your notification, submitted under the provision of PR Notice 98-10, FIFRA section 3(c)9.

Proposed Notification:

- To add non-mandatory language
- Add cleaning claims
- Add deodorizing claims
- Allergen removal claims
- Identifying specific veterinary use sites and surfaces

General Comments:

Based on a review of the material submitted, the following comment applies:

The notification application is acceptable and a copy has been inserted in your file for future reference.

Should you have any questions or comments concerning this letter, please contact me at <u>Henson.Wanda@epa.gov</u> or call (703) 308-6345.

Sincerely,

Wanda Y. Henson

Regulatory Risk Manager

Regulatory Management Branch II

Antimicrobials Division (7510P)

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VITAL OXIDE®

| ACTIVE INGREDIENTS | • |
|--|----------|
| Chlorine Dioxide | 0.200% |
| Alkyl (60% C ₁₄ , 30% C ₁₆ , 5% C ₁₂ , 5% C ₁₈) | |
| dimethyl benzyl ammonium chloride | 0.125% |
| Alkyl (68% C ₁₂ , 32% C ₁₄) | |
| dimethyl ethylbenzyl ammonium chloride | 0.125% |
| OTHER INGREDIENTS | 99.550% |
| Total | 100.000% |

KEEP OUT OF REACH OF CHILDREN

CAUTION:

See side panel for additional precautionary statements.

NET CONTENTS: (optional text)

NOTIFICATION
Date Reveiwed: \$\frac{9}{21}14
Reviewed By: \frac{1}{21} Herson

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PRECAUTIONARY STATEMENTS: HAZARDS TO HUMANS & DOMESTIC ANIMALS

Causes moderate eye irritation. Avoid contact with eyes.

FIRST AID: If in eyes: Hold eye open and rinse slowly with water 15-20 mins. Remove contact lenses after first 5 mins. and continue rinsing. Call a Poison Control Center or doctor for treatment advice. Have product container or label with you when calling a poison control center or doctor, or going for treatment

STORAGE AND DISPOSAL: Store in original closed container in a cool, dry, place away from heat and open flame. Non-refillable. Do not reuse or refill this container unless the directions for use allow a different (concentrated) product to be diluted in the container. Container Disposal: Rinse and offer empty container for recycling. If recycling is not available, discard container in trash. Wastes resulting from the use of this product may be disposed of on sire or at an approved waste disposal facility. Discard excess or used (product) solution in drain with running water.

Manufactured by: Vital Solutions, LLC, PO Box 9932, W. Palm Beach, FL 33419

Made in the USA (may include graphic of American flag)

(Formulated by Vital Solutions)

As seen on TV (may include graphic)

Customer Service: 1-800-303-5405. [www.vitaloxide.com]

Visit us at-or- For MSDS information

[Steel Recycle when empty (graphic symbol)]

[Carpet and Rug Institute Seal of Approval Pet Stain and Odor Cleaning Chemical (graphic symbol)]



{No rinse required for food-contact surfaces (D-2)}

EPA Reg. No. 82972-1 EPA Est. No. 85804-NC-1 EPA Est. No. 29909-CA-1 (See batch code for actual establishment number) NOTICE: Seller expressly warrants that the product conforms to its chemical description. There are no other warranties associated with the sale of this product.

DIRECTIONS FOR USE:

It is a violated of Federal Law to use this product in a manner inconsistent with its labeling.

Test fabric for color fastness. Contains a dilute oxidizing agent. Do not mix with vinegar or acidic cleaners.

{Always refer to manufacturer's care instructions before using equipment or devices}

Pre-cleaning Instructions: Remove gross filth and heavy soil by cleaning. Spray product straight onto soils, scrub and wipe clean with a dry paper towel or cloth. For cleaning floors add one cup product per gallon of water in bucket and clean with sponge, mop, or pad.

Cleaning and General Claims:

To Clean [Nonporous] Surfaces -and/or- Floors: Spray soiled area, then wipe clean, -or- For spot cleaning, spray and wipe clean with damp sponge -or- mop or cloth.

To Spot Clean Carpet: Spray on soiled area until wet. Gently blot area with a clean, damp, color safe cloth. Repeat as needed for (for stubborn stains). Let air dry.

To Use as a Pre-Spray (Pre-Cleaner) on Carpet. Spray a light even coating over the soiled area (until wet).

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Cleaning and General Claims:

- 100% biodegradable surfactant
- •7 in 1 Cleaner Technology
- · A shining [pure] clean you can see/trust
- [Available in] Economical refill
- · Bathrooms, sinks and faucets and floor areas
- Brightens
- Cleans
- · Cleans bathroom soils
- · Cleans blood stains
- Cleans everyday messes
- · Cleans fingerprints
- · Cleans food stains
- · Cleans rust
- · Cleans to a shine
- Cleans [up] grease and grime
- · Cleans away allergens and odor
- · Clear drving
- · Color safe
- Compatible with equipment surfaces
- [Compatible with -or- Suitable] [for use on] equipment surfaces
- Compatible with -or- Suitable -or compatible with equipment surfaces for use on hospital surfaces
- · Complies with VOC laws
- Cuts -and/or- removes grease -and/or grime -and/or- sweat
- Cuts cleaning time
- Designed -or- Ideal for daily [cleaning] [use]
- Easy [cleaning]
- Effective [cleaner -or- cleaning] [formula]
- · Fecal matter
- · For a cleaner, fresher household
- •For direct application

- · For easy cleaning
- •For terminal cleaning
- · Good for use with microfiber cloths
- Great for Kitchen[s] -and/or- bathroom[s] [too]
- Ideal for use in gyms -and/or-health clubs-and/orwellness centers
- Ideal for use in schools -and/or- daycare-and/oruniversities -and/or- colleges -and/or- offices and/or public places
- Ideal for use on high touch surfaces
- Just spray[,] [and] wipe [and you're done]
- · Labor saving no-rinse formula
- · Makes cleaning easier
- Multi surface cleaner disinfectant
- No added [perfumes] [and] [or] [dyes] [and] [or] fragrance
- · No fragrance added

Fresh Scent

Clean Scent

- No harsh chemical fumes -or- smell -or odor -and/or- build-up -and/or- residue
- No phosphates
- No rinsing

No sticky or dulling residue on hard floors No sticky residue on carpets

- No VOCs
- Non-abrasive
- Non-corrosive
- Packaging made with [x%] recycled –or recyclable plastic
- •Pleasant smell
- Proof is in the clean
- Removes dried on [blood] stains
- · Smell of clean
- Will not harm most hard, nonporous surfaces
- Will not harm natural stones [Granite, Marble, Travertine]

Fast & effective (pet) cleaning

For a cleaner, fresher household

Effectively (removes) (eliminates) tough (dirt)

(stains) (spots) (and) (grime)

Spot treatment for (pet stains and odors) (insert usage site)

Cleans tough (pet spots) (spots) (and) (pet stains)

(removes) (eliminates) (tough) (dirt) (and) (stains) (pet stains)

Removes dirt, dust, and common allergens** from (insert usage site)

Cleans everyday (pet) messes

Fast and effective cleaning

Cleans beyond the surface

For a deep clean

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Get a true clean (with) (this product) Okay (suitable) to use daily (Okay) (suitable) for daily use (Okay) (suitable) for weekly use (Okay) (suitable) for monthly use (Okay) (suitable) for regular use (Okay) for everyday use Great (cleaning) on your carpet (Money back) (Satisfaction) (Guarantee) (or your money back) (or its) (yours) (free) Guaranteed to remove stains & odors or your money back Satisfaction guaranteed or your money back Fragrance free formula does not require rinsing

Deodorization:

To Deodorize: Product works by oxidation, not by masking of odors. Eliminates odors caused by fire smoke, tobacco smoke, musty odors, stale-cooking odors. Simply spray, fog, or wipe on full strength and let air dry to provide long lasting residual deodorizing action. When fogging to deodorize apply 1 quart per 2000 cubic ft. following fogger manufacturer's directions for use. Product must come into contact with the cause of the odor to be effective. For pet urine stains in carpet, blot urine as dry as possible then saturate stain with Product through carpet pad.

To Deodorize or Freshen Carpet: Spray until slightly damp to eliminate (pet) odors. Product must come in contact with the cause of the odor to be effective.

Claims:

- HEAVY DUTY ODOR ELIMINATOR
- · Fragrance free
- · Removes -or- eliminates odors

Strong cat odors

Strong pet odors

· Deodorizes areas that are hard to keep fresh smelling

Use to control odors animal kennels

Use to control odors barn stalls.

Eliminates urine and other strong pet

odors{cat}{dog}

Eliminates pet odors

Pet waste odors

Cat Urine

Fecal Odors

Eliminates strong ammonia odors

Eliminates strong sulfur odors

Heavy duty odor eliminator removes strong, deep set pet odors

Deodorizations by air claims:

Air odor (eliminator) (deodorizer) (fighter)

Controls odors in the air

Controls (the toughest) (tough) (kitchen) (and)

(bathroom) (pet) odors (in the air)

Deodorizes (the air) with a (new) (fresh) (pleasant)

(clean) fragrance

Eliminates (pet) (food) (bad) odors (in the air)

Fights odors in the air

Gets rid of odors in the air

It's ok to spray (to deodorize) (eliminate odors)

(make your home smell fresh and clean)

Leaves your home smelling clean and fresh

Leaves your home (air) smelling clean (and fresh).

Leaves a fresh clean scent

Long lasting freshness

(Now) Freshens (deodorizes) (the air)

Odor (fighter) (eliminator) (elimination) (for the air)

Perfect for eliminating your toughest odors (in the

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Allergen Removal:

To [clean and] destroy specified allergens: [Set trigger to SPRAY.] Spray, wait 1 min{ute]., and wipe excess. [Rinse.] Allow to air dry. [If streaking is observed, wipe with a clean, damp [cloth or] paper towel.]

Allergens:

- · Cockroach matter -or- particles
- Dust mite matter -or- particles
- Pet dander -or- dog and cat dander

Claims:

Kills allergen and odor causing bacteria

- Reduces dust mite matter -or- particles, cockroach matter -or particles, and pet dander allergens
- Reduces Allergens[!])

Removes allergens and odors

Removes allergen from your home

- Cockroach matter -or- particles
- Dust mite matter -or- particles
- Pet dander -or- dog and cat dander
- Reduces allergy-causing particles, such as pet dander, and dustmite matter
- This product kills germs and destroys allergens while cleaning hard, nonporous surfaces and or Carpeting.

MILDEWSTAT:

To Prevent Mold or Mildew on Floors, Walls, Ceilings & Fabric: Remove as much surface dirt, mold, or mildew as possible by cleaning. Then spray on product from a distance of 12 inches until visibly wet and let air dry.

Mildewstat Claims:

MOLD & MILDEW REMOVER PREVENTS MOLD & MILDEW ON HARD SURFACES & FABRIC

Sanitization:

To Sanitize Non-food Contact Hard Non-porous Surfaces: Staphylococcus aureus (ATCC 6538) and Enterobacter aerogenes (ATCC 13048) Mix 1 part product with 9 parts water. Apply product as a one step cleaner sanitizer (5% organic soil load) by wetting thoroughly and let stand 5 mins., wipe and allow to air dry. No rinse required.

To Sanitize Food Contact Surfaces: Staphylococcus aureus (ATCC 6538) and Escherichia coli (ATCC 11229) 99.999% sanitization of food contact surfaces. Mix 1 part product to 9 parts tap water. For glassware, utensils, cookware, and dishware: Scrape and pre-wash, then wash with a good detergent. Rinse with potable water, then sanitize by immersion in product for 1 minute (or longer if specified by government sanitary code). Place on a rack or drain board to air dry. Do not rinse or wipe. Food Contact Immobile Surfaces: (food processing equipment, counter tops, tables, appliances) Remove all gross food particles and soil by cleaning and rinse with potable water. Apply product by wetting thoroughly and let stand for 1 minute (or longer if specified by government sanitary code). Let surfaces drain and air dry. Do not rinse or wipe.

To Sanitize Carpet: For synthetic carpet fibers such as nylon, olefin, or polypropylene – not intended for use on wool carpets. Test for color fastness in an inconspicuous area. Carpet should be clean or free of excessive soil before applying. Mix 1 part product to 5 parts water. Or use full strength. Apply at a rate of 2.5 oz per sq. ft. product must come into contact with contaminate to work. Allow to dwell for 10 minutes:

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Do not rinse, use an extraction wand and dry stroke carpet to remove excess moisture. Carpet can air dry or fans may be used if carpet needs to dry faster.

Sanitization Claims:

99.999% Sanitization of food contact surfaces

99.9% Carpet Sanitization

Disinfection:

CLEANING PROCEDURES: Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of this product

This product may be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization of high level disinfection. **This product is not to be used as a terminal sterilant/high level disinfectant on any surface of instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contact intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body.

SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATIONS AGAINST HIV-1, HBV, and HCV ON SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS

KILLS HIV-1, HBV, AND HCV ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS in health care settings or other settings in which there is expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids and surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type 1 (HIV-1) (associated with AIDS), Human Hepatitis B virus, and Human Hepatitis C Virus.

When handling items soiled with blood or body fluids use disposable latex gloves, gowns, masks, or eye coverings.

CLEANING PROCEDURES: Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of this product.

DISPOSAL OF INFECTIOUS MATERIALS: Blood and other body fluids should be autoclaved and disposed of according to Federal, State, and local regulations for infectious waste disposal. CONTACT TIME: Allow surfaces to remain wet for 5 minutes.

To Disinfect Farm Premises, Poultry Houses, Animal Pens & Vehicles: Remove all animals and feed from premises, vehicles, and enclosures. Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, chutes, and other facilities and fixtures occupied or traversed by animals. Empty all troughs, racks, and other feeding and water appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate all surfaces with product for a period of 10 minutes. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure. Allow to air dry. Ventilate buildings, cars, boats, and other closed spaces. Drain any pooled product and/or rinse standing product with potable water. Do not house livestock or employ equipment until treatment has been absorbed, or dried.

To Disinfect Hard Non-porous Surfaces: For disinfecting pre-cleaned hard non-porous surfaces such as glass, plastic, painted wood, laminate, chrome, stainless steel, polyurethane coated hardwood floors, glazed ceramic tile, sealed concrete & linoleum floors. Types of items include: appliances, bed frames, cabinet handles, wheelchairs, child car seats, counters, cribs, doorknobs, tables, tubs, exterior toilet surfaces, faucet handles, handrails, jungle gyms, keyboards, light switch covers, patio furniture, showers, sinks, stovetops, telephones, toys, walls, waste containers. Apply product full strength to pre-cleaned hard non-porous surfaces, wetting thoroughly with spray, sponge, mop, or by immersion in solution. Allow surfaces to remain wet for 5 minutes for virus inactivation – 10 minutes for bacteria disinfection. For immersion

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replace solution daily, or more frequently if it becomes significantly soiled or diluted **Fogging and Misting:** product can be applied by fogging or misting to disinfect hard, nonporous surfaces as an adjunct to regular manual cleaning and disinfecting procedures. Product is recommended for use as a supplemental measure either before or after regular cleaning and disinfecting procedures. Apply by fogging or misting until surface is moist using equipment manufacturer's directions for use. Remove or carefully protect all food and food packaging materials prior to treatment. Vacate treatment area and do not reenter treated area until air is clear (minimum 20 minutes to reentry). For disinfection by ULV misting machine application, see the product Supplemental Bulletin specific for equipment to be used.

Hard Surface Sanitization No Rinse Required: 30 sec contact time

Escherichia Coli (ATCC 11229)

Staphylococcus aureus (ATCC 6538)

Carpet Sanitization: 10 Minute contact time

Enterbacter aerogenes (ATCC 13048)

Staphylococcus aureus MRSA (ATCC 33592)

Mildewstat: 10 Minute contact time

Aspergillus Niger ATCC 6275

Disinfection Bacteria 10 minute contact time

Pseudomonas Aeruginosa ATCC 15442

Acinetobacter baumannii ATCC 19606

Staphylococcus aureus MRSA ATCC 33592

Listeria monocytogenes ATCC 15313

Legionella Pneumophila ATCC 33153

Salmonella choleraesuis ATCC 10708

Staphylococcus aureus ATCC 6538

Klebsiella pneumoniae (NDM-1) ATCC BAA-2146

Escherichia Coli ATCC 11229

Disinfection Virus 5 minute contact time

Rotavirus, Strain WA

Hepatitis C Virus Bovine Viral Diarrhea Virus

Hepatitis B Virus Duck Hepatitis

Norovirus Feline Calicivirus

Murine Norovirus (MNV-1)

Swine Influenza (H1N1)

Respiratory Syncytial virus, ATCC VR-26

Human Immunodeficiency Virus (HIV Type 1) Strain HTLV-IIIb

AREAS OF USE INCLUDE:

homes, vehicles, schools & daycare, gyms & locker rooms, sports gear, hospitals, nursing homes, laundry rooms, veterinary, pharmacies, ambulances, barber shops, laboratories, restaurants, boats, ships, federally inspected meat & poultry processing plants, farms, animal pens and poultry houses, egg processing premises, hatcheries, swine premise sanitation, refrigerated storage units (empty & disconnected), airplanes, trains, trucks, buses & automobiles. Use as a mold & mildewstat on hard non-porous surfaces such as tile, and porous surfaces such as fabric.

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Veterinary Use Sites:

Use Sites:

Animal [Pet] Housing [Kennels] [Facilities] (Pens)

(Cages)

Animal Holding Areas

Animal Life Science Laboratories

[Animal -or- Pet] Grooming Facilities

Animal Transportation Vehicles

Breeding Establishments

Dairy Farms

Equine Farms

Farms

Kennels

Litter Boxes

Livestock -and/or- Swine -and/or- Poultry Facilities

Pet [Areas] [Quarters]

Pet Shops -or- Stores

Pet waters and feeders

Small Animal Facilities

Tack Shops

Veterinary Clinics -or- Facilities

Veterinary [Offices] [Waiting Rooms]

Veterinary -or- Animal Hospitals

Veterinary [Examination Rooms]

Veterinary [X-ray Rooms]

Veterinary [Operating Rooms]

Zoos

Veterinary Use Surfaces:

animal equipment

automatic feeders

cages

surfaces of fountains

exterior surfaces of watering appliances

feed racks

hard, nonporous veterinary surfaces

pens

reception counters -or- desks -or- areas

stalls

troughs

veterinary care surfaces

Miscellaneous/General Use Sites:

Curtains

Pet Animal Quarters

Pet Areas

Crates

Carries

Pet Bedding

Pet Car Seats

Pet Feeders

Pet Water Dishes

Dog Houses

Dog Runs

Pet Toys and More!

Litter Boxes

Bird Cages

Cage Accessories

Feeder & waters

Small animal cages

Upholstery

10/10

Note: Bold Italicized text is for information for the reader and is not part of the label {Bracketed} information and phrases sequence are optional unless specified in 40 CFR 156.10. Variables such as CAPITALIZATION, plurals or singular, bold and *Italics* are optional unless specified in 40 CFR. Listed uses and sites can be used partially or in their entirety. Highlighted text is new. Strike-through (text) means removed.

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Miscellaneous/General Surfaces:

Carpets

pet areas -or- surfaces